E-CORE MR16 4W / 6,7W / 7W

E-CORE makes our all-rounder for low-voltage lighting fit for the future. The GU5.3 pin-base lamp is available in eighteen versions, providing maximum flexibility when it comes to meet all your needs in accent and general lighting.

Application:

- Hospitality lighting
- Shop and Retail lighting
- Residential lighting

Product details

- For GU5.3 base
- Replacement for MR16 low voltage halogen lamps
- Highly efficient and energy saving
- Mercury free
- Instant light
- Low UV/IR radiation
- Low heat radiation
- Operates on 12V transformers
- Life time 25,000 hours
- Pleasant warm or cool white light
- Reduction of energy consumption of up to 80%
- High light beam quality thanks to precise optics

Optical parameters

MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Luminous flux (lm)	220	230	260
Colour temperature (K)	**2700**	**3000**	**4000**
Colour rendering index (Ra)	80	80	80
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity (cd)	920 / 550	950 / 600	1,050 / 650
Lamp efficacy (lm/W)	55	57.5	65

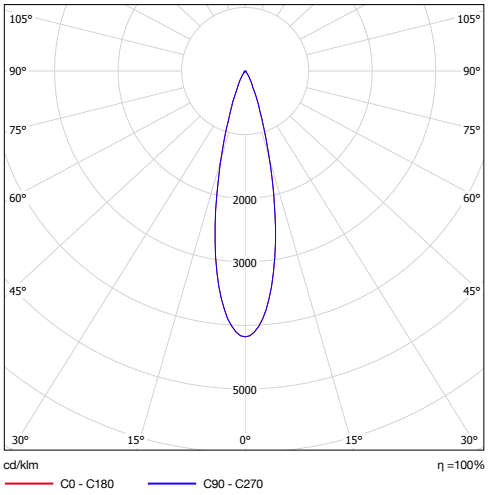
MODEL NAME	E-CORE MR16 6,7W		
Product code	LDRA0727MU5EUD / LDRA0727WU5EUD	LDRA0730MU5EUD / LDRA0730WU5EUD	LDRA0740MU5EUD / LDRA0740WU5EUD
Luminous flux (lm)	300	310	320
Colour temperature (K)	**2700**	**3000**	**4000**
Colour rendering index (Ra)	80	80	80
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity (cd)	1,200 / 650	1,250 / 700	1,250 / 700
Lamp efficacy (lm/W)	44.8	46.3	47.8

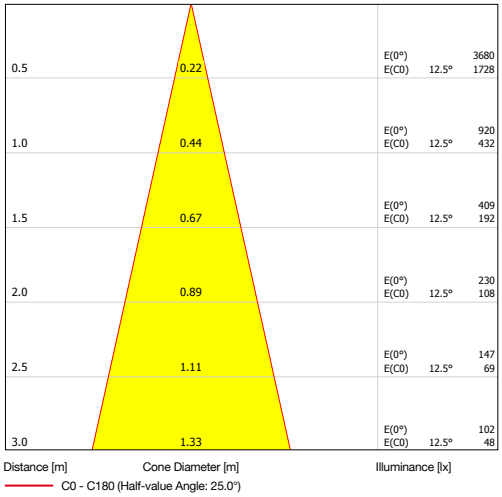
MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Luminous flux (lm)	390	390	420
Colour temperature (K)	**2700**	**3000**	**4000**
Colour rendering index (Ra)	80	80	80
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity (cd)	1,830 / 1,050	1,830 / 1,050	1,930 / 1,150
Lamp efficacy (lm/W)	55.7	55.7	60

Optical parameters for E-CORE MR16 4W

POLAR CANDELA DISTRIBUTION	ILLUMINANCE

LDRA0527MU5EU2





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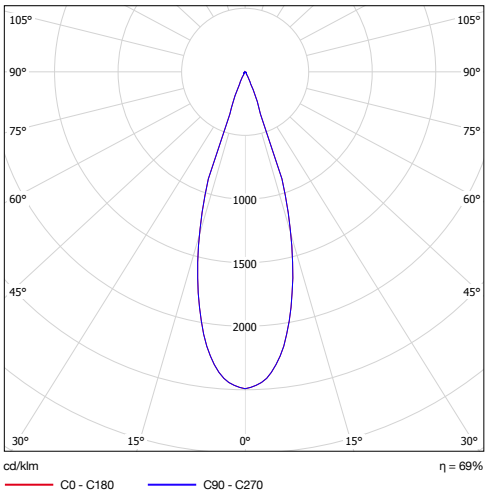

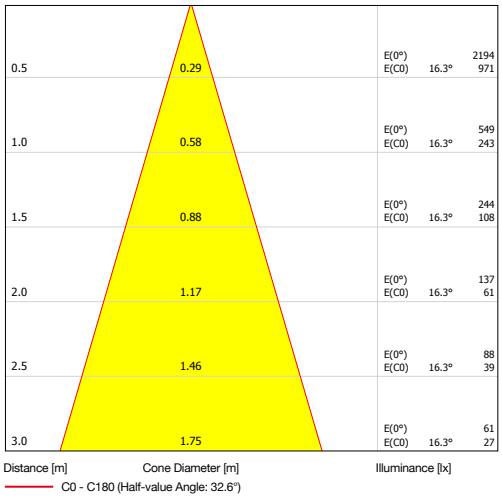

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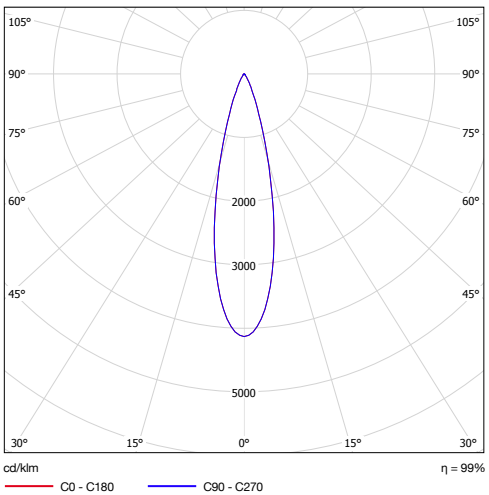

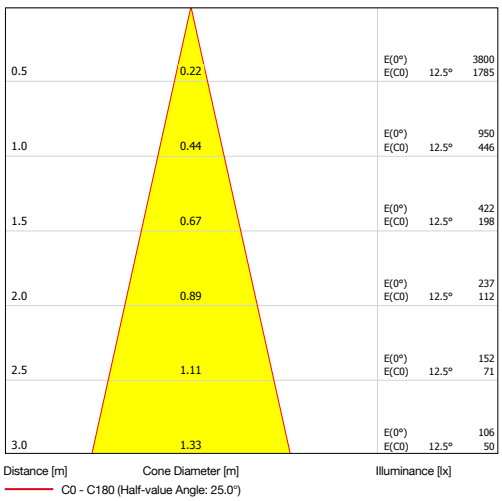

Optical parameters for E-CORE MR16 4W

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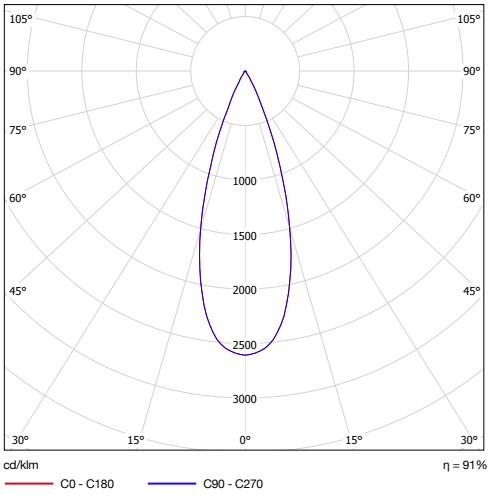
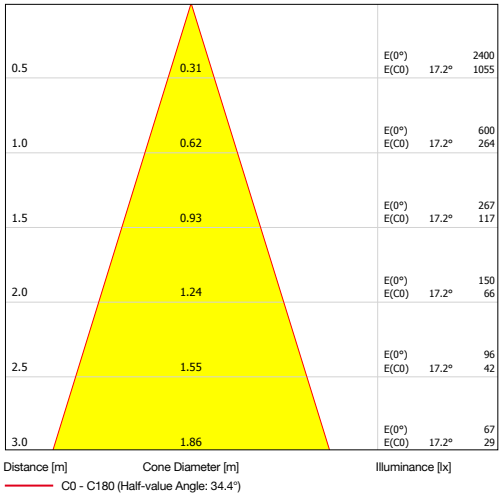
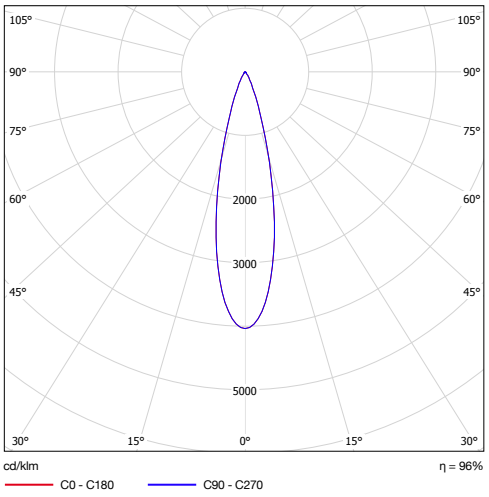
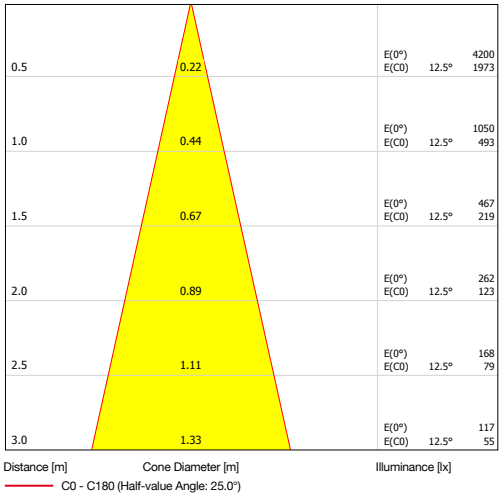
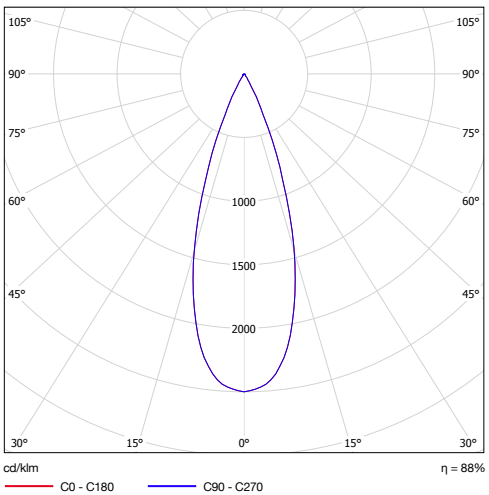
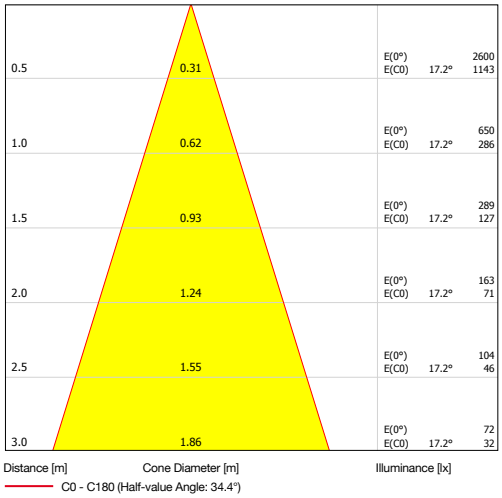
LDRA0530WU5EU2		
LDRA0540MU5EU2		
LDRA0540WU5EU2		

Optical parameters for E-CORE MR16 6,7W

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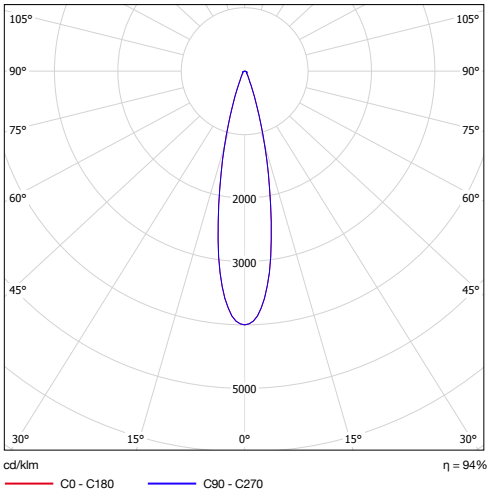
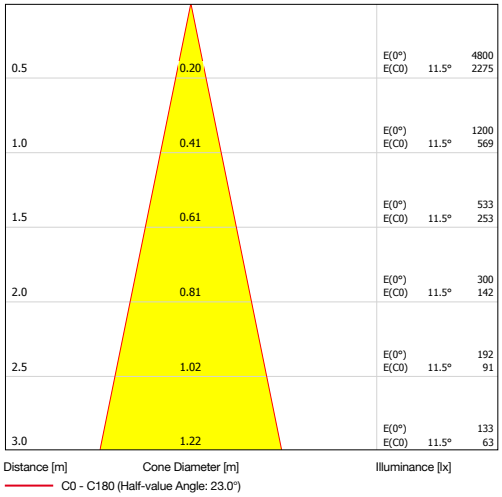
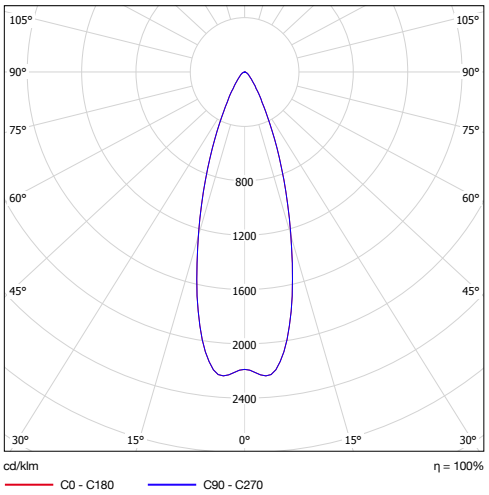
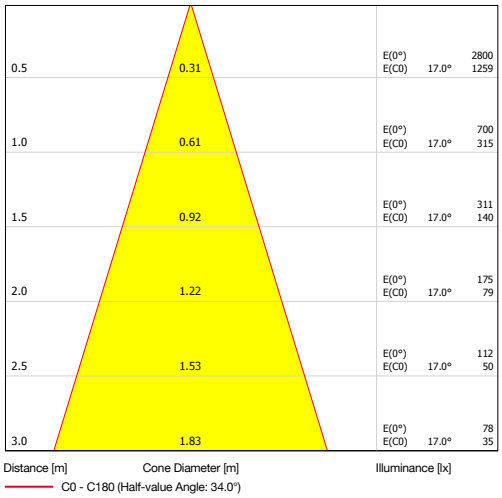
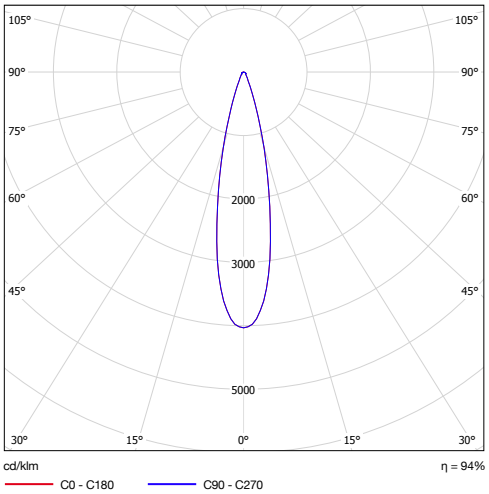
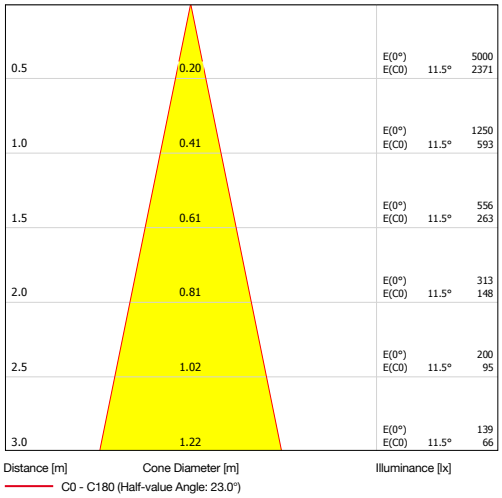
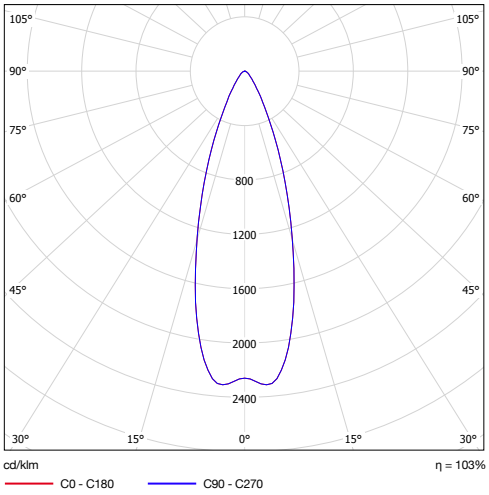
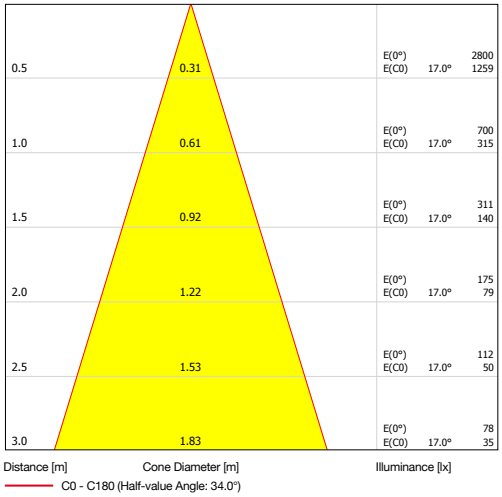
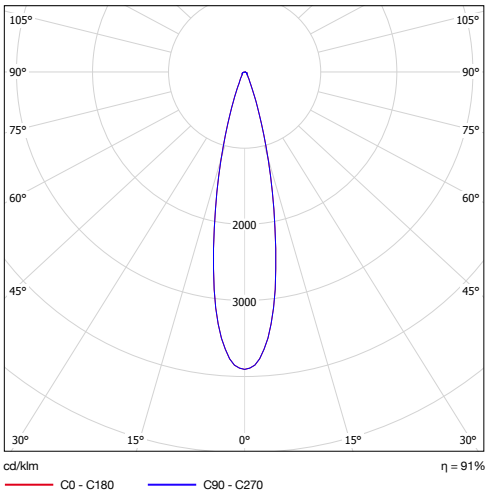
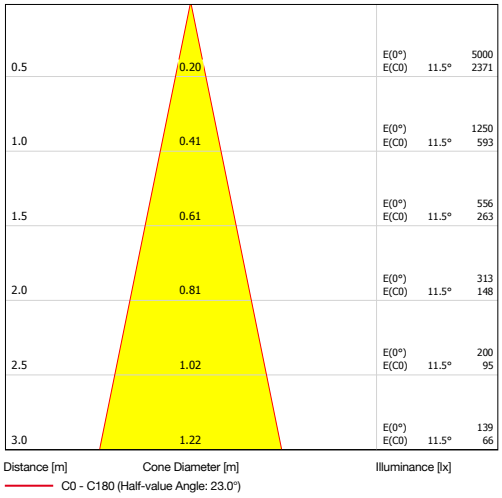
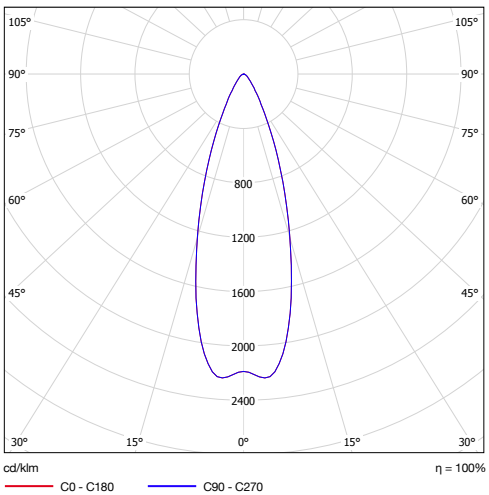
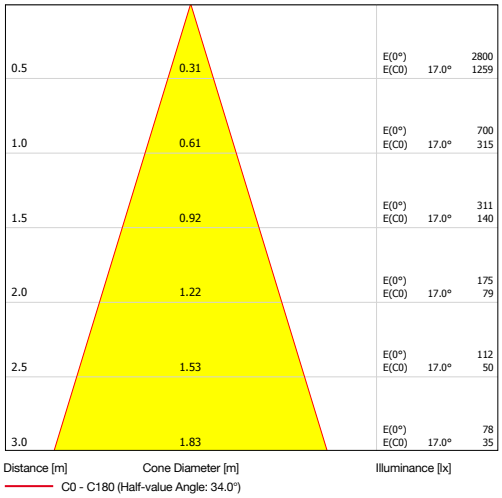
LDRA0727MU5EUD		
LDRA0727WU5EUD		
LDRA0730MU5EUD		

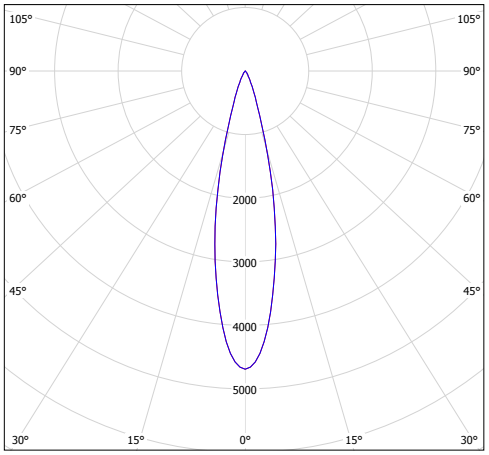
Optical parameters for E-CORE MR16 6,7W

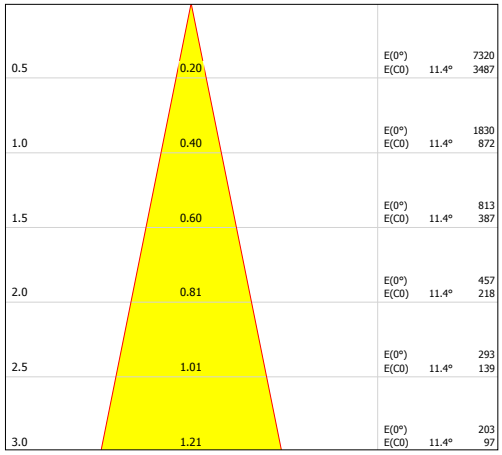
	POLAR CANDELA DISTRIBUTION	ILLUMINANCE
LDRA0730WU5EUD		
LDRA0740MU5EUD		
LDRA0740WU5EUD		

Optical parameters for E-CORE MR16 7W

POLAR CANDELA DISTRIBUTION	ILLUMINANCE

LDRA0727MU5EU





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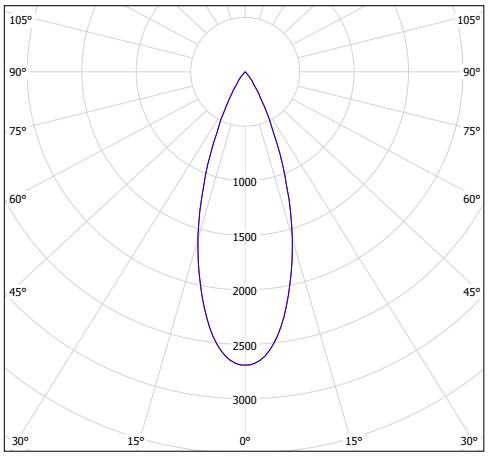

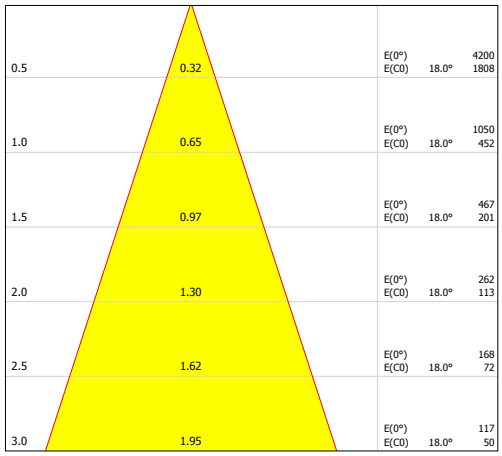

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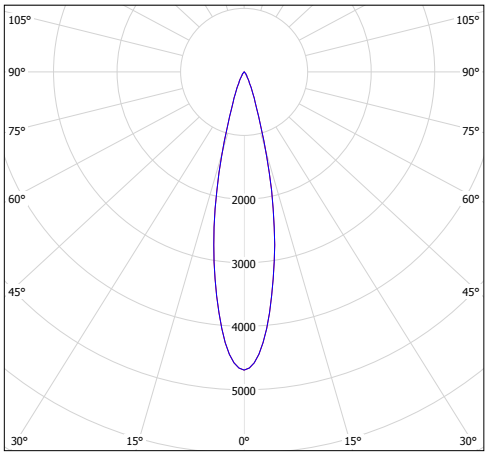

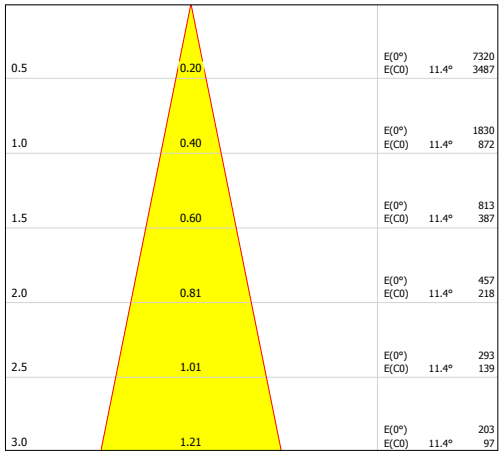

Optical parameters for E-CORE MR16 7W

POLAR CANDELA DISTRIBUTION	ILLUMINANCE

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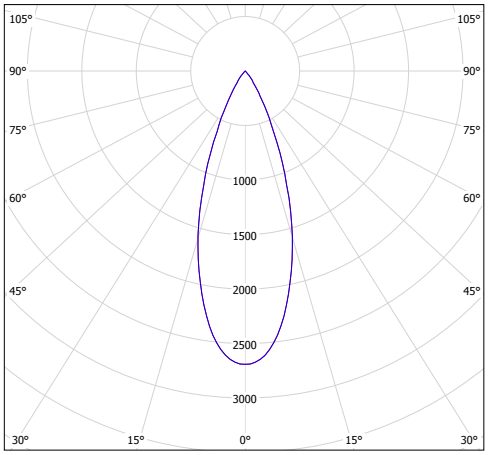

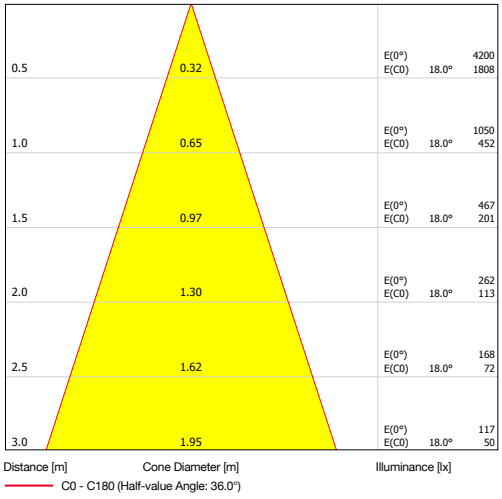

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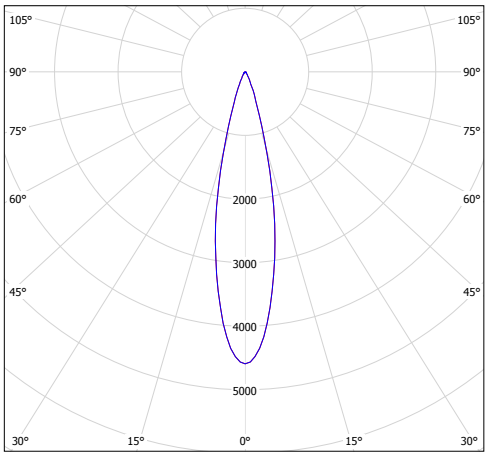

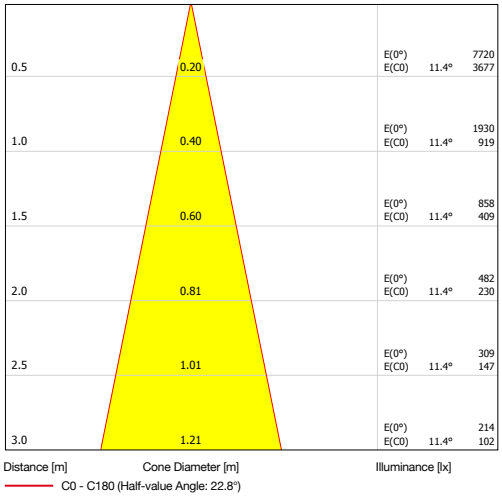

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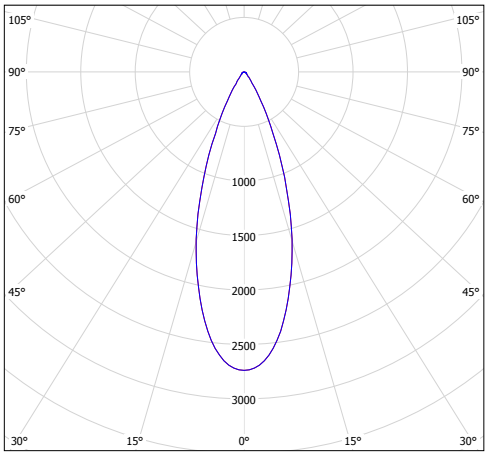
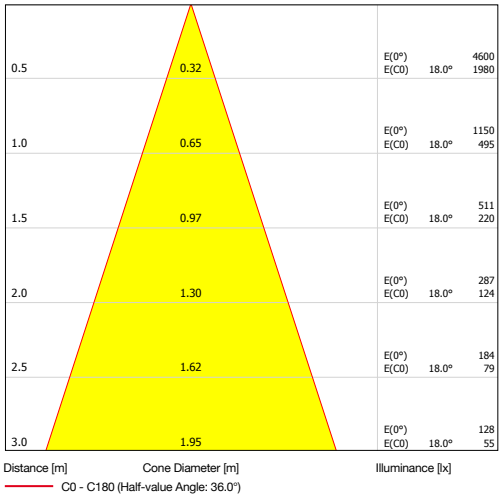




Electrical parameters

MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Rated voltage (V)	12 V AC / 50 Hz	12 V AC / 50 Hz	12 V AC / 50 Hz
Rated wattage (W)	4	4	4
Rated input current (mA)	480	480	480
Power factor	0.69	0.69	0.69
Rated lifetime (h)	25,000	25,000	25,000
Dimming	No	No	No

MODEL NAME	E-CORE MR16 6,7W		
Product code	LDRA0727MU5EUD / LDRA0727WU5EUD	LDRA0730MU5EUD / LDRA0730WU5EUD	LDRA0740MU5EUD / LDRA0740WU5EUD
Rated voltage (V)	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz
Rated wattage (W)	6.7	6.7	6.7
Rated input current (mA)	750	750	750
Power factor	0.74	0.74	0.74
Rated lifetime (h)	25,000	25,000	25,000
Dimming	No	No	No

MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Rated voltage (V)	12 V AC / 50 Hz	12 V AC / 50 Hz	12 V AC / 50 Hz
Rated wattage (W)	7	7	7
Rated input current (mA)	800	800	800
Power factor	0.73	0.73	0.73
Rated lifetime (h)	25,000	25,000	25,000
Dimming	No	No	No

* Dimmable on suitable dimmers.

Mechanical parameters

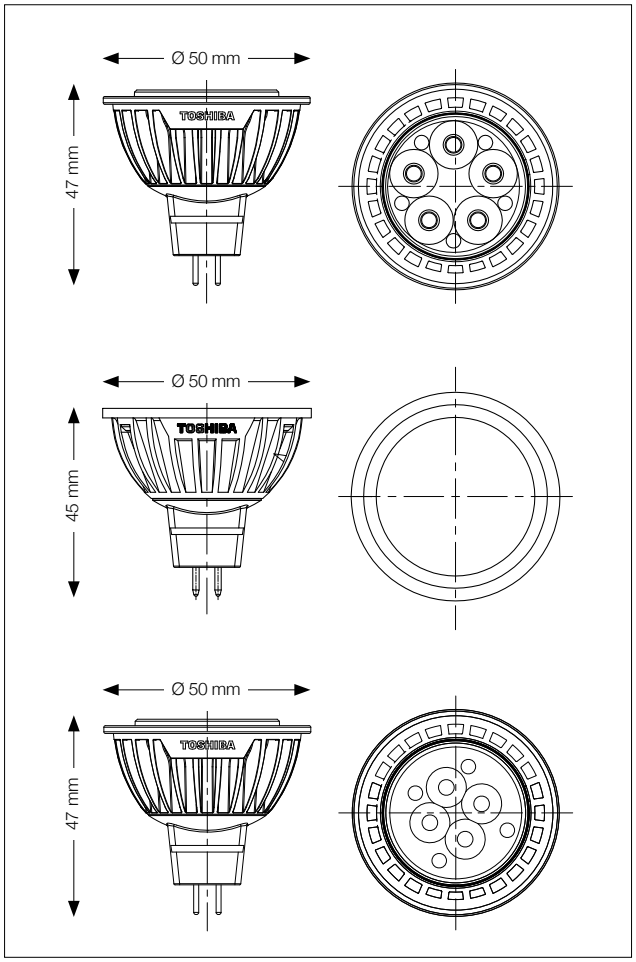
MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Overall length (mm)	47	47	47
Diameter (mm)	50	50	50
Net weight (g)	40	40	40
Cap	GU5.3	GU5.3	GU5.3

MODEL NAME	E-CORE MR16 6,7W		
Product code	LDRA0727MU5EUD / LDRA0727WU5EUD	LDRA0730MU5EUD / LDRA0730WU5EUD	LDRA0740MU5EUD / LDRA0740WU5EUD
Overall length (mm)	45	45	45
Diameter (mm)	50	50	50
Net weight (g)	50	50	50
Cap	GU5.3	GU5.3	GU5.3

MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Overall length (mm)	47	47	47
Diameter (mm)	50	50	50
Net weight (g)	55	55	55
Cap	GU5.3	GU5.3	GU5.3

* Dimmable on suitable dimmers.

Drawings



4 W
20 W

6.5 W
25 W

7 W
35 W

According to
ErP 1194/2012

12V AC Drivers

For driving the E-CORE lamps a 12 V AC driver is necessary. Not every market offered driver is compatible with theses lamps. A list of recommended drivers and conditions of use can be found on our website www.toshiba.eu/lighting.

RECOMMENDED DRIVERS FOR USE WITH MAX. 5 LAMPS:		
ABI SET60T-EL 10-60W	ABI SET150-2 5-150W	DELUCE DLT70 10-70W
DELUCE DLT105 20-105W	DELUCE DLT60 10-160W	DELUCE DLT150 50-150W
EREA LASSO 150K 2G 35-150W	FN LIGHT TL210S 50-210W	FN LIGHT TL150S 50-210W
HEP Group TL210S 50-210W	Philips CERTALINE 60W 20-60W	Philips Primaline 150 50-150W
Philips Primaline 105 30-105W	Weiß EN-60 D	
VS DiscLine EST 105/12.602 35-105WW	VS TopLine EST 105/12.644 20-105W	

Logistic data

PRODUCT CODE / 4 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0527MU5EU2	4974550447171	Gift box (1pcs)	58 x 55 x 78	67
	14974550447178	Carton (10pcs)	278 x 118 x 79	780
LDRA0527WU5EU2	4974550447188	Gift box (1pcs)	58 x 55 x 78	67
	14974550447185	Carton (10pcs)	278 x 118 x 79	780
LDRA0530MU5EU2	4974550447195	Gift box (1pcs)	58 x 55 x 78	67
	14974550447192	Carton (10pcs)	278 x 118 x 79	780
LDRA0530WU5EU2	4974550447201	Gift box (1pcs)	58 x 55 x 78	67
	14974550447208	Carton (10pcs)	278 x 118 x 79	780
LDRA0540MU5EU2	4974550447218	Gift box (1pcs)	58 x 55 x 78	67
	14974550447222	Carton (10pcs)	278 x 118 x 79	780
LDRA0540WU5EU2	4974550447225	Gift box (1pcs)	58 x 55 x 78	67
	14974550447208	Carton (10pcs)	278 x 118 x 79	780

PRODUCT CODE / 6.7 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0727MU5EUD	4974550426336	Gift box (1pcs)	63 x 55 x 86	80
	4974550426330	Carton (10pcs)	282 x 132 x 96	1,000
LDRA0727WU5EUD	4974550426343	Gift box (1pcs)	63 x 55 x 86	80
	4974550426347	Carton (10pcs)	282 x 132 x 96	1,000
LDRA0730MU5EUD	4974550426350	Gift box (1pcs)	63 x 55 x 86	80
	4974550426354	Carton (10pcs)	282 x 132 x 96	1,000
LDRA0730WU5EUD	4974550426367	Gift box (1pcs)	63 x 55 x 86	80
	4974550426361	Carton (10pcs)	282 x 132 x 96	1,000
LDRA0740MU5EUD	4974550426374	Gift box (1pcs)	63 x 55 x 86	80
	4974550426378	Carton (10pcs)	282 x 132 x 96	1,000
LDRA0740WU5EUD	4974550426381	Gift box (1pcs)	63 x 55 x 86	80
	4974550426385	Carton (10pcs)	282 x 132 x 96	1,000

PRODUCT CODE / 7 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0727MU5EU	4974550447089	Gift box (1pcs)	58 x 55 x 78	82
	14974550447086	Carton (10pcs)	278 x 118 x 79	930
LDRA0727WU5EU	4974550428422	Gift box (1pcs)	58 x 55 x 78	82
	14974550428429	Carton (10pcs)	278 x 118 x 79	930
LDRA0730MU5EU	4974550447096	Gift box (1pcs)	58 x 55 x 78	82
	14974550447093	Carton (10pcs)	278 x 118 x 79	930
LDRA0730WU5EU	4974550447102	Gift box (1pcs)	58 x 55 x 78	82
	14974550447109	Carton (10pcs)	278 x 118 x 79	930
LDRA0740MU5EU	4974550447119	Gift box (1pcs)	58 x 55 x 78	82
	14974550447116	Carton (10pcs)	278 x 118 x 79	930
LDRA0740WU5EU	4974550447126	Gift box (1pcs)	58 x 55 x 78	82
	14974550447123	Carton (10pcs)	278 x 118 x 79	930

Handling and safety information

- Do not cover the lamp with paper, cloth or other easily flammable materials
- Do not expose the lamp to water or high humidity
- Avoid additional mechanical stress on the lamp
- Do not touch the lamp during or shortly after usage. Risk of burn!
- Use only with recommended drivers
- Ambient temperature range: +5 °C to +40 °C
- Do not look directly into the lamp
- Do not spray pesticide on this lamp
- Please ensure the mains power is disconnected before undertaking any work on the luminaire or lamp

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Product specifications and configurations, and availability of products are subject to change. Variations in product design and product features are subject to change. Colours may vary from illustration. Errors and omissions excepted.
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